City of Nashua
Planning Department
229 Main Street
Nashua, New Hampshire 03061-2019

Planning & Zoning 589-3090
WEB www.nashuanh.gov

SPECIAL EXCEPTION APPLICATION (ZBA)

PLEASE NOTE: INCOMPLETE OR ILLEGIBLE APPLICATIONS WILL NOT BE ACCEPTED

I. SPECIAL EXCEPTION INFORMATION

1. ADDRESS OF REQUEST: Existing Row, L Pine St., 10 Whipple St.

   Zoning District: GI/MU & R-B Sheet: 77 & E Lot: 5 & 1487

2. SPECIAL EXCEPTION(S) REQUESTED:

   Relief from table 112-1 to allow land disturbance associated with the a public utility infrastructure improvement project within the 75' prime wetalnd buffer of the Nashua River and Nashua Cove.

II. GENERAL INFORMATION

1. **APPLICANT / OPTIONEE** (List both individual name and corporate name if applicable)

   (Print Name): Public Service Company of New Hampshire (d/b/a Eversouce Energy)

   Applicant's signature _____ Date: 2/7/22

   Applicant's address: 780 North Commercial Street, Manchester, NH 03101

   Telephone number H: (603) 634-3256 C: _____ E-mail: kurt.nelson@eversource.com

2. **PROPERTY OWNER (Print Name):** Public Service Company of New Hampshire (d/b/a Eversouce Energy)

   ***Owner's signature** _____ Date: 2/7/22

   Owner's address: 780 North Commercial Street, Manchester, NH 03101

   Telephone number H: (603) 634-3256 C: _____ E-mail: kurt.nelson@eversource.com

***Agents and/or option holders must supply written authorization to submit on behalf of owner(s).**

OFFICE USE ONLY *Date Received* 2/8/22 *Date of hearing* 3/8/22 **Application checked for completeness:** JF

A# 22-0025 *Board Action* _____

$_____ *application fee* ☐ *Date Paid* _____ *Receipt #* _____

$_____ *signage fee* ☐ *Date Paid* _____ *Receipt #* _____

$_____ *certified mailing fee* ☐ *Date Paid* _____ *Receipt #* _____

Land Use Code Section(s) Requesting Special Exception From: _____

RECEIVED
FEB - 8 2022

III. PURPOSE OF REQUEST

Answer all questions below. Provide as much information as available to give the ZBA the necessary facts to review your case. Attach additional sheets if necessary. Please see "Procedures for Filing a Special Exception" for further information.

1. Describe the nature of your proposal. Please be specific.

The proposed 3891 line rebuild project is being undertaken in associated with prior approvals for the adjacent Millyard Substation relocation project approved by the City in 2019. That project included a land swap and allocation of various easements between the City of Nashua, adjacent landowners, and Eversource Energy to promote future economic growth in the area, while also accommodating Eversource's need to increase reliability of service with the replace of outdated equipment that had reached the end of its useful life.

2. Does your proposal involve the physical construction or expansion of a structure? Yes ☑ No ☐
If yes, describe how the size of the addition (and any existing structure) compares with the physical size of surrounding properties.

Eversource is proposing (7) utility poles and (7) guy anchors. The size of the utility poles is consistent with existing structures.

3. Do you anticipate the need for additional on-site parking space as a result of your proposal? Yes ☐ No ☑
If yes, approximately how many square feet of paved or designated parking space will be provide for both existing and proposed usage?

No, not applicable.

4. What effects would the requested use have upon surrounding traffic congestion and pedestrian safety?

No impact, not applicable.

5. What measures will be taken (if any) to insure that your proposal will not impair the integrity or be out of character with the zoning district or immediate neighborhood?

The integrity and character of the zoning district and immediate neighborhood will not be impaired by the proposed line relocation. The easement location was previously reviewed and approved by City Staff and abutting landowners.

IV. SPECIAL EXCEPTION – ADDITIONAL QUESTIONS

Please answer all questions below that are applicable. Your answers to these questions will allow staff to better understand your request.

1. Total number of employees 0 Number of employees per shift 0
2. Hours and days of operation Non-maned electrical utility poles
3. Number of daily and weekly visits to the premises by customers, clients, vendors, and solicitors 0
4. Number of daily and weekly commercial deliveries to the premises 0
5. Number of parking spaces available 0
6. Describe your general business operations:

Eversource is New England's largest energy provider, proudly serving more than 3.6 million electric and natural gas customers in CT, MA and NH.

7. Describe any proposed site renovations including, but not limited to – landscaping, lighting, pavement, structural changes, signage, access, and circulation:

Mats shall be installed to prevent rutting to access structures, with the mats to be removed from areas once the crossing or maintenance activity is complete. All work shall follow best managment practices (BMP) as outlined in the NH Dept. of Natural Resources BMP ~~Manual, Utility Maintenance in and adjacent to wetlands and waterboides in New~~ Hampshire, latest edition.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all the city ordinances and state laws regulating construction. I understand that only those points specifically mentioned are affected by action taken on this appeal.

Signature of Applicant — Date: 2/7/22

Kurt Nelson — Print Name

2/7/22 — Date

TFM Since 1968
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

NEW HAMPSHIRE 200

February 8, 2022

Carter Falk, AICP
Deputy Planning Manager/Zoning
City of Nashua
Community Development Dept.
229 Main Street
Nashua, NH 03061-2019

RE: Eversource 3891 Line Rebuild
Existing ROW
Lots 77- 5 and E-1487

Dear Carter,

On behalf of our Client, Eversource Energy, please find the attached wetland impact & access plans and an application for a special exception relating to proposed prime wetland and buffer impacts associated with the above listed project.

The proposed 3891 line rebuild project is being undertaken in associated with prior approvals for the adjacent Millyard Substation relocation project approved by the City in 2019. That project included a land swap and allocation of various easements between the City of Nashua, adjacent landowners, and Eversource Energy to promote future economic growth in the area, while also accommodating Eversource's need to increase reliability of service with the replace of outdated equipment that had reached the end of its useful life.

The proposed line rebuild will relocate the existing service line located on the peninsula opposite the Millyard substation to existing easements running east to west along the south side of Mine Falls Park adjacent to Nashua Cove. Impacts are as follows;

12 sf. = permanent wetland impact
865 sf. = temporary wetland impact
60 sf. = permanent buffer impact
13,845 sf = temporary buffer impact

Should there be any questions or concerns regarding this submittal or the project in general please do not hesitate to contact the undersigned at (603) 472-4488 or ngolon@tfmoran.com.

Sincerely,
TFMoran, Inc.

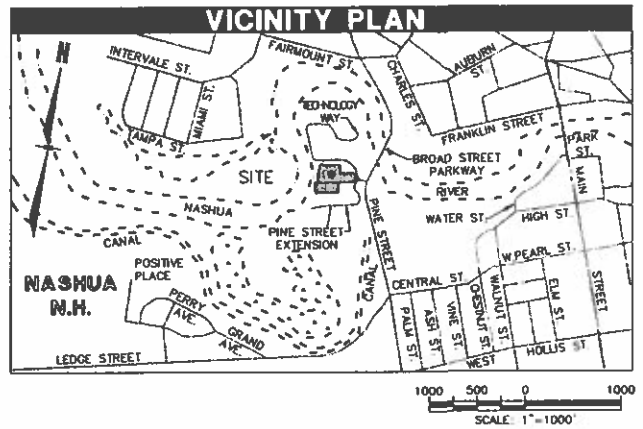
Nicholas Golon, P.E.
Principal

TFMoran, Inc.
48 Constitution Drive, Bedford, NH 03110
T(603) 472-4488 www.tfmoran.com

TFMoran, Inc. Seacoast Division
170 Commerce Way–Suite 102, Portsmouth, NH 03801
T(603) 431-2222

EVERSOURCE VER. 04/2015

VICINITY PLAN



WETLAND CERTIFICATION

WETLANDS SHOWN ON THIS PLAN WERE DELINEATED ON 4/18/18 BY CHRISTOPHER K. DANFORTH CWS #077 OF TFMORAN, INC., AND BY JASON AUBE CWS #313 OF TFMORAN, INC. ON 1/27/22. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2, JANUARY 2012.

DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING EITHER FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, (VERSION 3). NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION (NEIWPCC), APRIL 2004 OR FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 7.0, USDA, NRCS, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS, 2010.

DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE NORTHCENTRAL AND NORTHEAST 2013 REGIONAL WETLAND PLANT LIST, US ARMY CORPS OF ENGINEERS, 2013, (VER. 3.1).

NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED WETLAND AND SHORELAND BUFFER IMPACT AREAS AND MAT ACCESS ROUTE IN THE PROJECT AREA.
2. THE CONTRACTOR SHALL INSTALL PRE-FABRICATED MATS ALONG THE PROPOSED ACCESS ROUTE. CONSTRUCTION VEHICLES SHALL USE THE PROPOSED MAT ACCESS ROUTE. ACCESS ROUTE IS PICTORIAL ONLY.
3. AREAS IMPACTED BY MATS SHALL BE STABILIZED IN ACCORDANCE WITH THE PROJECT EROSION CONTROL NOTES, SEE SHEET 2 OF 2 FOR ADDITIONAL MATTING NOTES AND DETAILS.
4. CONTRACTOR SHALL PROVIDE STREET SWEEPER OR OTHER MEANS TO KEEP ROADWAYS AND PARKING AREAS CLEAR OF CONSTRUCTION RELATED DEBRIS OR SEDIMENT AT ALL TIMES.
5. FINAL LAYOUT OF TIMBER MATTERING BY CONTRACTOR. SHOULD LAYOUT OF TIMBER MATTING EXCEED AREA SHOWN ADDITIONAL PERMITTING SHALL BE REQUIRED.
6. SILT SOCK TO BE PLACED AT LIMITS OF ALL PERMANENT IMPACT AREAS. AREAS SHALL BE STABILIZED AT THE COMPLETION OF CONSTRUCTION WITH HAY MULCH AT A RATE OF 1.5 TONS OF MULCH PER ACRE AND SEED.
7. USFWS WETLAND CLASSIFICATION
   R2UB1 RIVERINE, LOWER PERENNIAL, UNCONSOLIDATED BOTTOM, COBBLE / GRAVEL
   L2USJHbOg - LACUSTRINE, LITTORAL, UNCONSOLIDATED SHORE, MUD, PERMANENTLY FLOODED, BEAVER, FRESH, ORGANIC
   PF01Ed - PALUSTRINE, FORESTED, BROAD LEAVED DECIDUOUS, SEASONALLY FLOODED / SATURATED, PARTLY DRAINED / DITCHED

WETLAND IMPACT NOTES

WETLAND IMPACTS FOR THE PROPOSED PROJECT:

PERMANENT WETLAND IMPACTS = 12 S.F. (TOTAL)

PERMANENT IMPACTS CONSIST OF:
8 S.F. PER POLE, 4 S.F. PER GUY ANCHOR

AREA #1 = 12 S.F.

TEMPORARY WETLAND IMPACTS = 865 S.F. (TOTAL)

TEMPORARY IMPACTS: FOR ACCESS FOR POLE INSTALLATION. IMPACT ONLY IF WINTER CONDITIONS ARE NOT ACCEPTABLE FOR CONSTRUCTION. MATS WILL BE USED TO MINIMIZE TEMPORARY IMPACT AREAS IF FROZEN CONDITIONS ARE NOT AVAILABLE.

AREA #1 = 672 S.F.
AREA #3 = 138 S.F.
AREA #4 = 55 S.F.

TEMPORARY WETLAND BUFFER IMPACTS = 13,845 S.F. (TOTAL)

AREA #1 = 652 S.F.
AREA #2 = 2,955 S.F.
AREA #3 = 2,483 S.F.
AREA #4 = 3,849 S.F.
AREA #5 = 3,048 S.F.
AREA #6 = 858 S.F.

PERMANENT WETLAND BUFFER IMPACTS = 60 S.F. (TOTAL)

AREA #1 = 8 S.F.
AREA #2 = 16 S.F.
AREA #3 = 8 S.F.
AREA #4 = 8 S.F.
AREA #5 = 12 S.F.
AREA #6 = 8 S.F.

WETLAND DELINEATION BY JASON AUBE CWS #313 ON 1/27/2022

WETLAND DELINEATION BY CHRIS DANFORTH CWS #077 ON 4/16/2018

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4888
Fax (603) 472-9747
www.tfmoran.com
TFM Proj: 82566-01

PROJECT DATA BLOCK

CONTRACT SERVICES

REV	DESCRIPTION	CHG/PE #	DATE	DRN	CHKD	APPR

EVERSOURCE ENERGY

NEW HAMPSHIRE

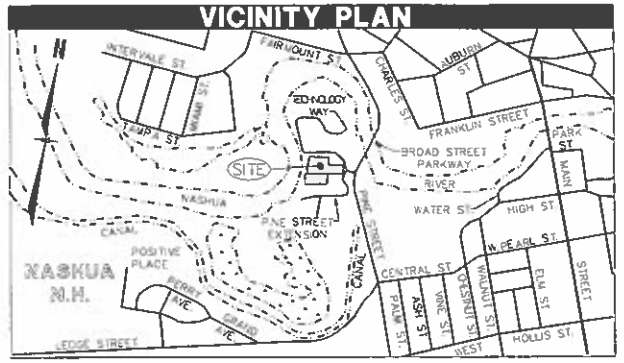
EVERSOURCE EXISTING ROW

NASHUA, NH 03060
3891 LINE REBUILD

T	#
DRSN	NC
ENGINEER	NC
CHECKED	JB
APPROVED	NC
DATE	2/7/22
SCALE	1" = 50'
FILE: 17930-07 SCHOL_LAYOUT.DWG	
IMAGE:	
DRAWING NO.	

DWG REV	DESCRIPTION	CONT/PE #	DATE	DRN	CHKD	APPR

VICINITY PLAN



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STATE OF NEW HAMPSHIRE — JASON R. AUBE — No. 313 — WETLAND SCIENTIST

STATE OF NEW HAMPSHIRE — CHRISTOPHER K. DANFORTH — 2/7/2022 — No. 077 — CERTIFIED WETLAND SCIENTIST

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7. EXISTING SITE IMPERVIOUS AREA= 22,188 SF. +/-
8. USFWS WETLAND CLASSIFICATION:
   R2UB1 - RIVERINE, LOWER PERENNIAL, UNCONSOLIDATED BOTTOM, COBBLE / GRAVEL
   L2US3Hh0g - LACUSTRINE, LITTORAL, UNCONSOLIDATED SHORE, W3D, PERMANENTLY FLOODED, BEAVER, FRESH, ORGANIC
   PF01Ee - PALUSTRINE, FORESTED, BROAD LEAVED DECIDUOUS, SEASONALLY FLOODED / SATURATED, PARTLY DRAINED / DITCHED

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——— WETLAND DELINEATION BY JASON AUBE CWS #313 ON 1/27/2022

— — — WETLAND DELINEATION BY CHRIS DANFORTH CWS #077 ON 4/16/2018

TFM — Civil Engineers, Structural Engineers, Traffic Engineers, Land Surveyors, Landscape Architects, Scientists
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Phone (603) 472-4488, Fax (603) 472-9747
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TFM Proj: 82566-01

WETLAND IMPACT & ACCESS PLAN

EVERSOURCE ENERGY

NEW HAMPSHIRE

EVERSOURCE EXISTING ROW
EXISTING ROW LOT 77-5 & E-1487
NASHUA, NH 03060
3891 LINE REBUILD

T	#
DRAWN	NC
ENGINEER	NC
CHECKED	JB
APPROVED	NG
DATE	2/7/22
SCALE	1" = 50'
FILE: 17838-07 BOSEN_LAYOUT.DWG	
IMAGE	
DRAWING NO	1 OF 2

CONTRACT SERVICES

REV	DESCRIPTION	ENG/PE#	DATE	DRN	CHKD	APPR

DWG REF	DSN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR

P:\PROJECT\3891.04\2015

GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL PRE-FABRICATED MATS ALONG THE PROPOSED ACCESS ROUTE. CONSTRUCTION VEHICLES SHALL USE THE PROPOSED MAT ACCESS ROUTE UNLESS OTHERWISE DIRECTED. ACCESS ROUTE IS PICTORIAL ONLY AND NOT INTENDED TO BE A CONSTRUCTED DRIVE.
2. AREAS IMPACTED BY MATS SHALL BE STABILIZED IN ACCORDANCE WITH THE PROJECT EROSION CONTROL NOTES, SEE DETAILS FOR ADDITIONAL MAT INFORMATION.
3. CONTRACTOR SHALL PROVIDE STREET SWEEPER OR OTHER MEANS TO KEEP ROADWAYS AND PARKING AREAS CLEAR OF CONSTRUCTION RELATED DEBRIS OR SEDIMENT AT ALL TIMES.
4. THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS AND STANDARDS.
5. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY TFMORAN, INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL EXISTING CONDITIONS SURROUNDING IT AND THEREBY THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
8. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
9. SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS, NOT ALL FEATURES ARE DETAILED ON EVERY PLAN. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET.
10. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE RESPECTIVE CITY OF NASHUA AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BE AGREED TO BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIGSAFE" (800-344-7233) AT LEAST 72 HOURS BEFORE DIGGING.
12. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES NECESSARY TO CONTROL EROSION THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES/EPA STANDARDS. THE DETAILS PROVIDED REPRESENT MINIMUM PERMITTED CONTROLS ONLY AND SHALL BE SUPPLEMENTED BY THE CONTRACTOR AS NECESSARY.
14. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE CONDITIONS AT THE SITE. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT DISCREPANCIES TO THE ENGINEER.
16. IN THE EVENT OF A CONFLICT BETWEEN PLANS, SPECIFICATIONS, AND DETAILS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
17. IF CONDITIONS AT THE SITE ARE DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
18. THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. TFMORAN INC. ASSUMES NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-CONFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
19. TFMORAN INC. ASSUMES NO LIABILITY FOR WORK PERFORMED WITHOUT AN ACCEPTABLE PROGRAM OF TESTING AND INSPECTION AS APPROVED BY THE ENGINEER OF RECORD.
20. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THESE DETAILS SERVE AS A GUIDE ONLY.
21. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NASHUA'S CONSTRUCTION STANDARDS AND DETAILS (LATEST EDITION).

EROSION CONTROL NOTES

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. EROSION CONTROLS INDICATED ON THESE PLANS SHALL BE CONSIDERED MINIMUM STANDARDS. ADDITIONAL CONTROLS MAY BE REQUIRED TO ENSURE PERMIT COMPLIANCE AND SHALL BE ADDED AS DEEMED NECESSARY BY THE OWNER/ENGINEER.
2. INSTALLATION OF EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY RAINFALL.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
4. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
5. HAY MULCH OR JUTE MATTING SHALL BE USED FOR TEMPORARY STABILIZATION IN ADDITION TO WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.
7. SILT SOCK OR SILT FENCE SHALL BE USED FOR CONTAINMENT OF TEMPORARY SOIL STOCK PILES ASSOCIATED WITH POLE INSTALLATION.
8. ALL WORK SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMP) AS OUTLINED IN THE NH DEPT. OF NATURAL AND CULTURAL RESOURCES BEST MANAGEMENT PRACTICES MANUAL, UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATERBODIES IN NEW HAMPSHIRE, LATEST EDITION.
9. TIMBER MATS SHALL BE REMOVED AT COMPLETION OF WORK AND REMAIN IN PLACE NO LONGER THAN ONE GROWING SEASON.
10. ALL WORK SHALL BE DONE IN COMPLIANCE WITH APPLICABLE CONDITIONS IN ENV-WT 307.
11. DURING CONSTRUCTION, CONTRACTOR SHALL AVOID OR MINIMIZE CONSTRUCTION ACCESS OVER, OR WORK IN OR UPON ORGANIC SOILS AND IN ACCORDANCE WITH ENV-WT 313.03.
12. IN ACCORDANCE WITH RSA 430:53 AND AGR 3800, THE CONTRACTOR SHALL NOT TRANSPORT INVASIVE SPECIES OFF THE PROPERTY, AND SHALL DISPOSE OF INVASIVE SPECIES ON-SITE IN A LEGAL MANNER.

STORM WATER MANAGEMENT NOTES

1. STABILIZATION PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS:

   TEMPORARY STABILIZATION – TOPSOIL STOCKPILES AND DISTURBED AREAS OF THE CONSTRUCTION SITE THAT WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE MUST BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. THE TEMPORARY SEED SHALL BE ANNUAL RYE APPLIED AT THE RATE OF 1.1 LBS PER 1,000 SQUARE FEET. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LYMESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY. AREAS OF THE SITE THAT WILL BE PAVED WILL TEMPORARILY BE STABILIZED BY APPLYING GEOTEXTILES AND A STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED. CALCIUM CHLORIDE SHALL BE USED FOR DUST CONTROL IF NEEDED.

   PERMANENT STABILIZATION – DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 3 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL CONSIST OF 0.45 LBS/1,000 S.F. TALL FESCUE, 0.20 LBS/1,000 S.F. CREEPING RED FESCUE, AND 0.20 LBS/1,000 S.F. BIROSFOOT TROTOIL. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIVESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY.

2. STRUCTURAL PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

   PRE-FABRICATED MATS – WILL BE INSTALLED ALONG THE PROPOSED ACCESS PATH AS NOTED ON THE PLANS.

   SILT SOCK OR SEDIMENT FENCE – WILL BE CONSTRUCTED DOWNSTREAM OF TEMPORARY STOCKPILE AREAS AND WHERE ADDITIONAL SEDIMENT CONTROL IS DEEMED NECESSARY DURING CONSTRUCTION.

   a. THE SILT SOCK SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL BE INSPECTED FOR GAPS OR TEARS IN THE FABRIC, WHICH SHALL BE REPAIRED OR REPLACED IMMEDIATELY. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES ONE THIRD OF THE HEIGHT OF THE SILT SOCK.

   b. THE SILT FENCE WILL BE INSTALLED BY STRETCHING REINFORCED FILTER FABRIC BETWEEN POSTS WITH AT LEAST 8 INCHES OF THE FABRIC BURIED BELOW THE GROUND SURFACE TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. RUNOFF WILL FLOW THROUGH THE OPENINGS IN THE FILTER FABRIC WHILE RETAINING THE SEDIMENT WITHIN THE CONSTRUCTION AREA.

3. ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURE DUMPSTERS OR APPROVED ENCLOSURE AND REMOVED FROM THE SITE ON A WEEKLY BASIS. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE. PORTABLE TOILET SANITARY WASTE FACILITIES WILL BE PROVIDED DURING CONSTRUCTION AND MAINTAINED/DISPOSED OF ON A REGULAR BASIS IN ACCORDANCE WITH TOWN AND STATE REGULATIONS.

CONSTRUCTION SEQUENCE NOTES

1. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES.
2. INSTALL PROPOSED POLES AND OVERHEAD SERVICE LINES.
3. ALL SLOPES DISTURBED DURING POLE INSTALLATION SHALL BE STABILIZED IMMEDIATELY. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 72 HOURS AFTER CONSTRUCTION ACTIVITY CEASES. IF EARTHWORK TEMPORARILY CEASES ON A PORTION OF OR THE ENTIRE SITE, AND WILL NOT RESUME WITHIN 21 DAYS, THE AREA SHALL BE STABILIZED.

   AN AREA SHALL BE CONSIDERED STABILIZED IF:
   A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED,
   B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED,
   C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED, OR
   D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

4. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES PERIODICALLY AND IMMEDIATELY AFTER SIGNIFICANT STORM EVENTS.
5. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE ALL AREAS ARE STABILIZED AND TEMPORARY SOIL STOCKPILES FROM POLE INSTALLATIONS HAVE BEEN APPROPRIATELY DISPOSED OF.
6. REMOVE EXISTING UTILITY POLES AND OVERHEAD SERVICE LINES. POLES TO BE FLUSH CUT AND ABANDONED UNLESS DIRECTED OTHERWISE BY OWNER.

SEEKING REPORTS OF RARE TURTLES

The NH Fish & Game Department is collecting observations of four turtle species:

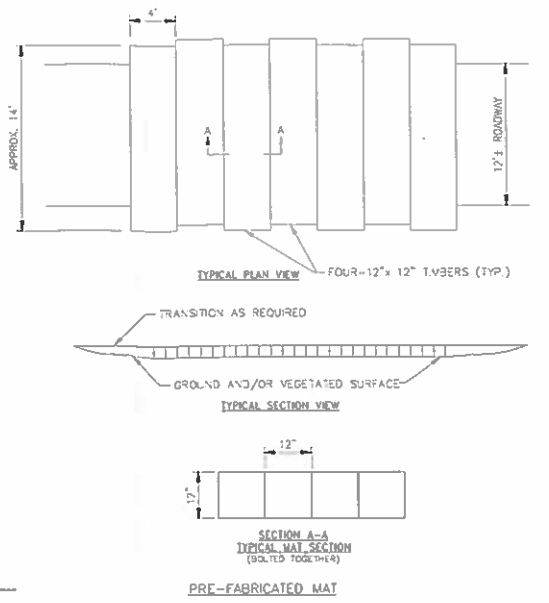
Blanding's turtle (state endangered)

- Large, dark/black domed shell with lighter speckles
- Distinct yellow throat/chin
- Aquatic but often moves on land

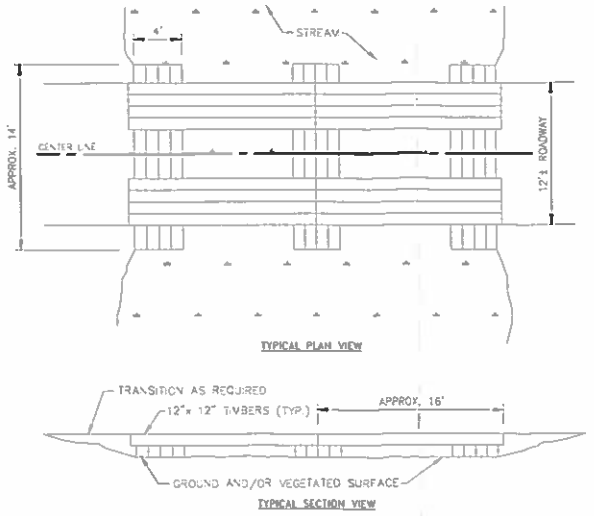
Wood turtle (special concern)

- Sculpted, pyramidal brownish shell
- Orange around neck and limbs
- River/stream turtle spending many months on land

Report sightings to RAARP@wildlife.nh.gov or 603-271-2461 *Please report promptly, noting specific location and date. Photographs strongly encouraged*



PRE-FABRICATED MAT



PRE-FABRICATED STREAM CROSSING WITH MATS

NOTES

1. MATS TO BE INSTALLED TO PREVENT RUTTING, TO ACCESS STRUCTURES.
2. THIS DETAIL SHOWS TYPICAL DIMENSIONS. SOME CONTRACTORS MATS ARE DIMENSIONALLY DIFFERENT FROM WHAT IS SHOWN HERE.
3. DEPENDENT ON SITE CONDITIONS, MULTIPLE LAYERS OF MATS MAY BE USED.

GUIDELINES

1. PLACEMENT OF MATS SHOULD BE IN A LOCATION THAT WOULD MINIMIZE THE LENGTH NEEDED FOR CROSSING (SEE BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATER BODIES IN NH, INTERIM JANUARY 2012, SECTION 4.7.)
2. MATS MAY BE USED TO CROSS SMALL STREAMS PROVIDED THE MAT DOES NOT DISTURB THE BED OR BANKING.
3. WHERE POSSIBLE, MATS SHOULD BE PLACED SO THAT THEY ARE NOT OVER TOPPED WITH WATER AND EQUIPMENT CAN WORK IN THE DRY.
4. MATS SHALL BE REMOVED FROM WETLAND AREAS ONCE THE CROSSING OR MAINTENANCE ACTIVITY IS COMPLETED.

LIMITATIONS

1. MATS SHALL NOT BE PLACED SO THAT THEY RESTRICT THE NATURAL FLOW OF WATER.
2. MATS THAT HAVE BEEN PLACED IN AREAS IF INVASIVE SPECIES SHALL NOT BE USED AGAIN UNTIL THEY HAVE BEEN CLEANED AND INSPECTED.

INSTALLATION

1. INSTALL AND REMOVE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, IF APPLICABLE.
2. EVERY EFFORT SHOULD BE MADE TO MINIMIZE IMPACT TO WETLAND AREAS DURING INSTALLATION, USE AND REMOVAL.

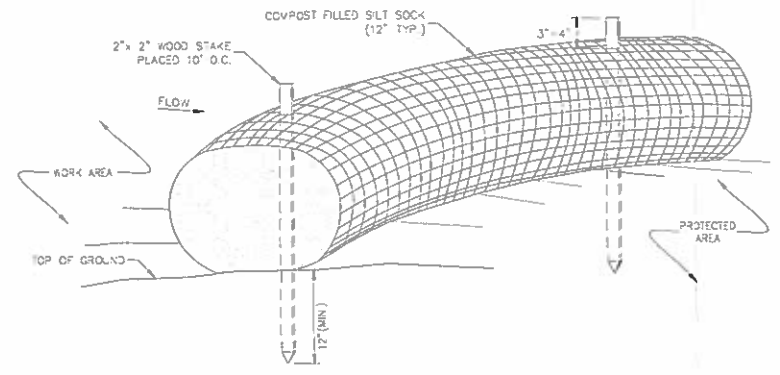
INSPECTIONS

INSPECT AFTER EACH USE:

1. LOOK FOR ANY DEFECTS OR STRUCTURAL PROBLEMS.
2. INSPECT FOR ANY PLANT MATERIAL LEFT ON MATS, REMOVE IMMEDIATELY.

PRE-FABRICATED MAT

NOT TO SCALE

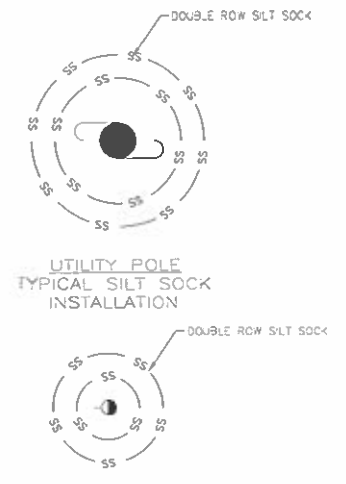


NOTES

1. SILT SOCK SHALL BE PLACED AROUND PROPOSED POLES AND GUYS.
2. SILT SOCK SHALL BE FILTREXX SILTSOXX NATURAL ORGANIC (BIODEGRADABLE) OR APPROVED EQUIVALENT.
3. SEE SPECIFICATIONS FOR SOCK SIZE AND COMPOST FILL REQUIREMENTS.
4. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
5. COMPOST MATERIAL SHALL BE DISPERSED ON SITE IN NON-WETLAND AREAS, AS DETERMINED BY THE ENGINEER.

SILT SOCK

FOR POLE INSTALLATION CONTAINMENT



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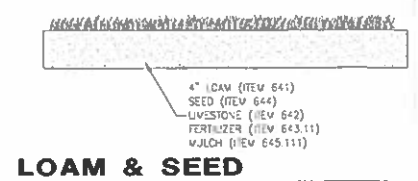

LOAM & SEED

NOT TO SCALE

NHF&G NOTES

1. SEE FLIERS ABOVE FOR PHOTOGRAPHS OF THREATENED, ENDANGERED OR SPECIES OF CONCERN. CONTRACTORS SHALL BE PROVIDED WITH COPIES OF FLIERS PRIOR TO CONSTRUCTION.
2. NEWLY HATCHED SPOTTED AND BLANDING'S TURTLES WILL EMERGE FROM NESTS FROM LATE AUGUST THROUGH OCTOBER. AVOID DRIVING THROUGH OR IMPACTING VERNAL POOLS IN ANY WAY. IF ADULT OR HATCHLING SPOTTED OR BLANDING'S TURTLES ARE FOUND IN A WORK AREA, PLEASE ATTEMPT TO PHOTOGRAPH TO SEND TO NHF&G FOR DOCUMENTATION. CONTACT MELISSA DOPERALSKI (603-479-1129 CELL) OR JOSH MEGYESY (978-578-6802) FOR FURTHER INSTRUCTIONS.
3. **ALL OBSERVATIONS OF NORTHERN BLACK RACER SNAKES ENCOUNTERED FROM THE END OF SEPTEMBER THROUGH THE MONTH OF APRIL MUST BE IMMEDIATELY REPORTED TO THE NHF&G DEPARTMENT (MELISSA DOPERALSKI 603-479-1129 CELL OR BRENDAN CLIFFORD 603-944-0885 CELL) AS THIS INDICATES A POTENTIAL HIBERNACULUM IN THE AREA. NORTHERN BLACK RACER ARE KNOWN TO HIBERNATE AT THE BASE OF POWER POLES. PLEASE ATTEMPT TO PHOTOGRAPH THIS SPECIES, IF POSSIBLE.**
4. AT THE COMPLETION OF CONSTRUCTION, A SUMMARY REPORT OF ANY THREATENED, ENDANGERED OR SPECIES OF CONCERN OBSERVED DURING CONSTRUCTION SHALL BE SUBMITTED TO NHF&G.

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14088 — LICENSED PROFESSIONAL ENGINEER — 7/7/22

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Structural Engineers
Traffic Engineers
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CONTRACT SERVICES

REV	DESCRIPTION	ENG/PM	DATE	DRN	CHKD	APPR

WETLAND IMPACT & ACCESS DETAIL

EVERSOURCE ENERGY

NEW HAMPSHIRE

EVERSOURCE EXISTING ROW
1 PINE ST EXT.
NASHUA, NH 03060
3891 LINE REBUILD

T	#
DRAWN	NC
ENGINEER	NC
CHECKED	JB
APPROVED	NG
DATE	7/4/22

SCALE: AS NOTED
FILE: 17936-07 DESIGN_LAYOUT.DWG
IMAGE:
DRAWING NO. 2 OF 2

TFM Since 1968

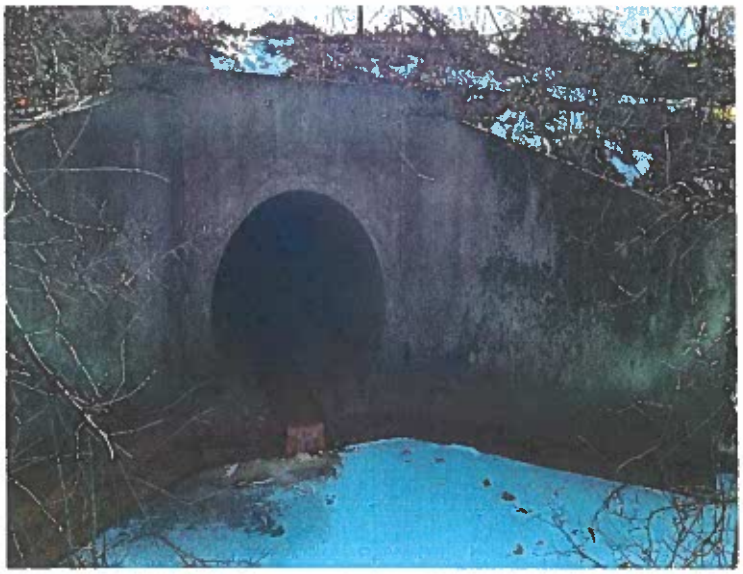
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

Line 3891 Rebuild Nashua, NH

Photo 1

Concrete culvert at the start of TB delineation, discharges water actively ~ 36-inch diameter

Photo 2



Concrete culvert in cove captured in TB delineation roughly 40 feet from photo one, minimal discharge which is consistent ~42-inch diameter

Photo 3

Cutbank in TB delineation, images 1 and 2 are present in this photo

Photo 4

Point bar captured in TB delineation

Photo 5

Culvert ~ 6-8 inches diameter on point bar captured in TB delineation, discharge consistent.

Photo 6

Steel culvert under granite and earth bridge, which also marks the end of TB (TB 46)

Photo 7

Entrance to Mine Falls Park, Wetlands Tb & C delineated on the right, wetland B on the left (note existing power line in background)

Photo 8

Shrub wetland captured in delineation C

Photo 9

Wetland captured in delineation D

Photo 10

Wetland captured in delineation D, note multiflora rose as well as staghorn sumac

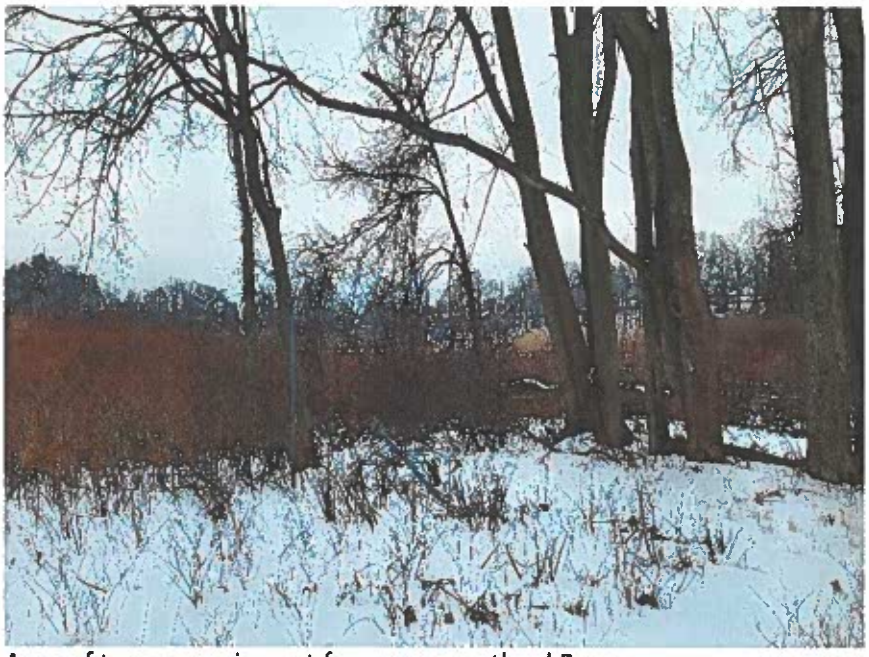
Photo 11

Area of impact #1 (pole line in distance)

Photo 12

Area of impact #2

Photo 13



Area of temporary impact for access, wetland B

Photo 14

Area of impact #3

Photo 15

Area of Impact #4

Photo 16

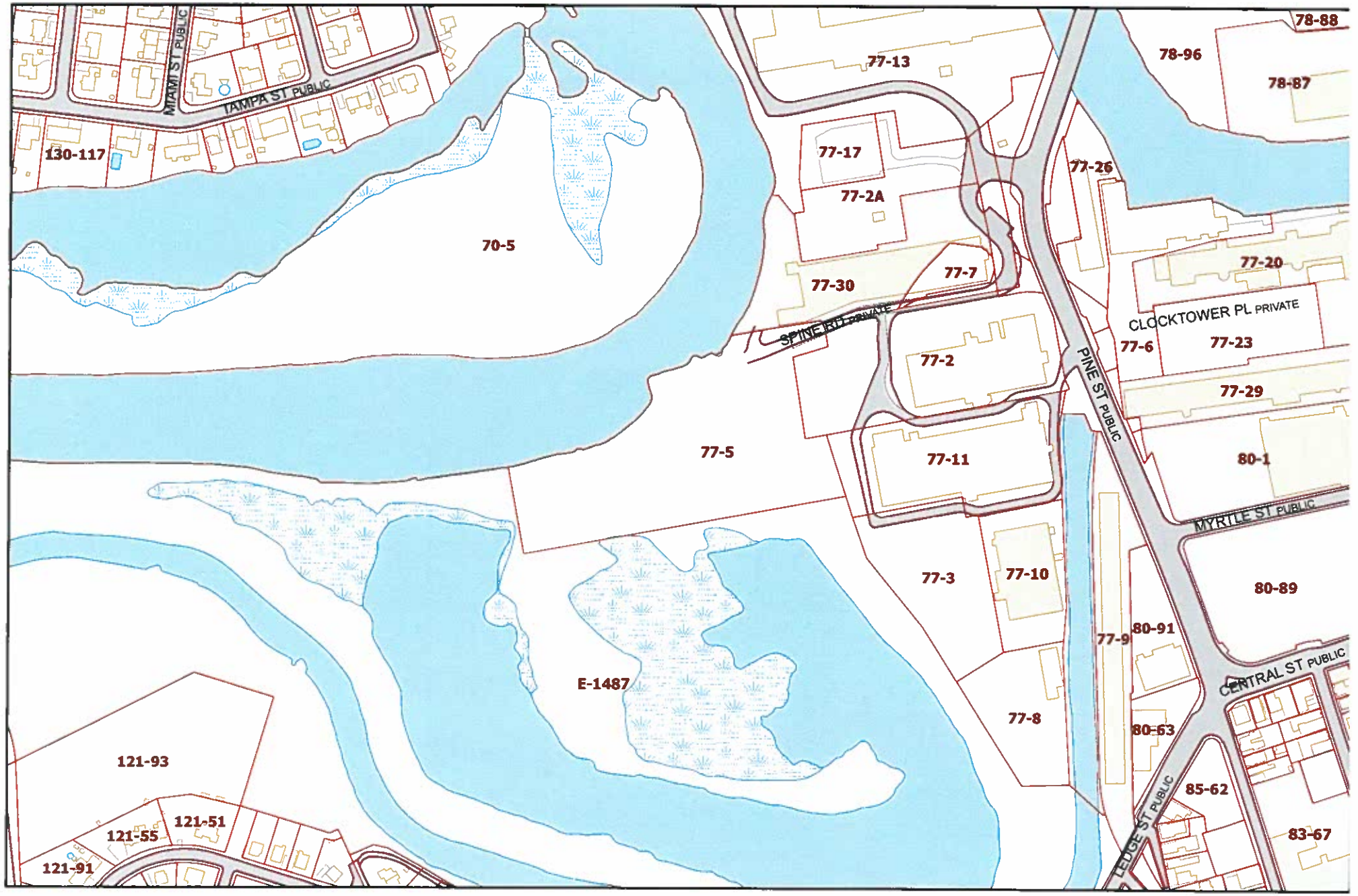
Area of impact #5

Photo 17

Area of impact #6

Photo 18

Area of existing antenna


MIAMI ST PUBLIC
TAMPA ST PUBLIC
130-117
70-5
77-13
77-17
77-2A
77-26
78-88
78-96
78-87
77-30
77-7
77-20
SPINE RD PRIVATE
CLOCKTOWER PL PRIVATE
77-6
77-23
77-2
PINE ST PUBLIC
77-29
77-5
77-11
80-1
MYRTLE ST PUBLIC
77-3
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